

PTO/SB/08A

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	10/667,928
Filing Date	September 22, 2003
Confirmation Number	To be assigned
First Named Inventor	William K. Kappel et al.
Group Art Unit	To be assigned
Examiner Name	To be assigned

Sheet	1	of	3	Attorney Docket No.	SGM 6945.4
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
MC	1	2,205,995		Ulrich et al.	06-25-1940
	2	2,885,428		Luskin	05-05-1959
	3	3,337,607		Wollensak	08-22-1967
	4	3,959,342		Homberg et al.	05-25-1976
	5	4,569,794		Smith et al.	02-11-1986
	6	4,664,806		Merz	05-12-1987
	7	4,677,027		Porath et al.	06-30-1987
	8	4,877,830		Dobeli et al.	10-31-1989
	9	5,047,513		Dobeli et al.	09-10-1991
	10	5,284,933		Dobeli et al.	02-08-1994
	11	5,514,363		Shochat et al.	05-07-1996
	12	5,625,075		Srinivasan et al.	04-29-1997
	13	5,747,663		Colpan et al.	05-05-1998
	14	5,834,224		Ruger et al.	11-10-1998
MC	15	5,990,301		Colpan et al.	11-23-1999

Examiner Signature	M. G. L.	Date Considered	12/04
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached.

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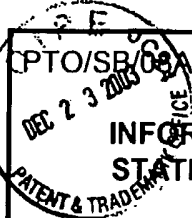
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)			
MC	16	EP	0 189 373	A2	Ciba-Geigy AG	07-30-1986	
MC	17	EP	0 253 303	A2	F. Hoffmann-La Roche & Co.	01-20-1988	
MC	18	WO	93/11735	A1	Aquanautics Corporation	06-24-1993	
OTHER ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.					T
MC	19	SCHMITT et al., "Affinity Purification of Histidine-tagged Proteins", Molecular Biology Reports, 1993, pp. 223-230, Vol. 18					
	20	PORATH et al., "Immobilized Metal Ion Affinity Adsorption and Immobilized Metal Ion Affinity Chromatography of Biomaterials. Serum Protein Affinities for Gel-Immobilized Iron and Nickel Ions", Biochemistry, 1983, pp. 1621-1630, Vol. 22					
	21	SULKOWSKI, "Immobilized Metal Ion Affinity Chromatography of Proteins", Protein Purification: Micro to Macro pp. 149-162, Edited by R. Burgess, Published by Liss New York, NY					
	22	International Search Report from analogous PCT application No. PCT/US01/11529 dated October 16, 2001					
	23	LONNERDAL et al., Journal of Applied Biochemistry, 1983, p. 203, Vol. 4					
MC	24	PORATH et al., "Metal Chelate Affinity Chromatography, a New Approach to Protein Fractionation", Nature, December 18, 1975, pp. 598-599, Vol. 258					

Examiner Signature	<i>M. Cole</i>	Date Considered	12/04
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MC	25	HOCHULI et al., "New Metal Chelate Adsorbent Selective for Proteins and Peptides Containing Neighbouring Histidine Residues", Journal of Chromatography, 1987, pp. 177-184, Vol. 411	
/	26	Partial International Search Report from analogous PCT application No. PCT/US01/11529	
/	27	JANKNECHT et al., "Rapid and Efficient Purification of Native Histidine-tagged Protein Expressed by Recombinant Vaccinia Virus", Proc. Natl. Acad. Sci. USA, October, 1991, pp. 8972-8976, Vol. 88	
MC	28	F. ANSPACH, "Silica-based metal chelate affinity sorbents I. Preparation and characterization of iminodiacetic acid affinity sorbents prepared via different immobilization techniques", Journal of Chromatography A, 1994, pp. 35-49, Vol. 672	

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